

FIG. 1
PRIOR ART

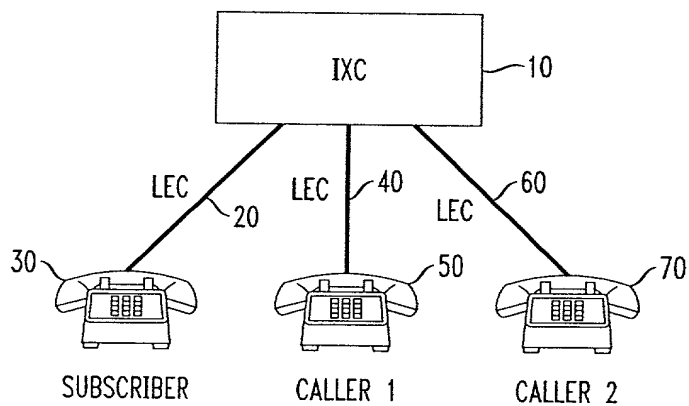


FIG. 2A
PRIOR ART

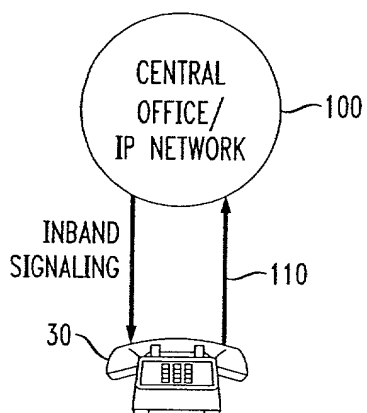


FIG. 2B

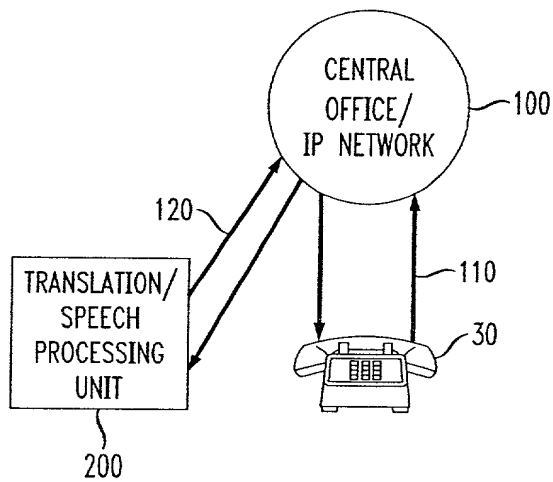


FIG. 3A

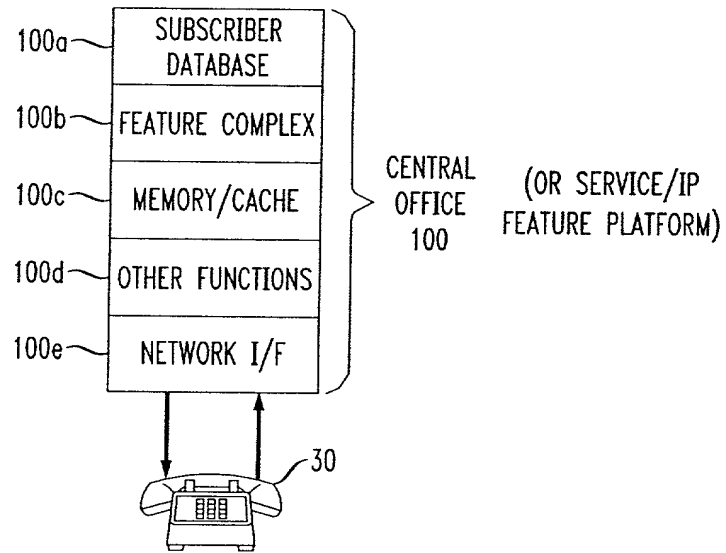
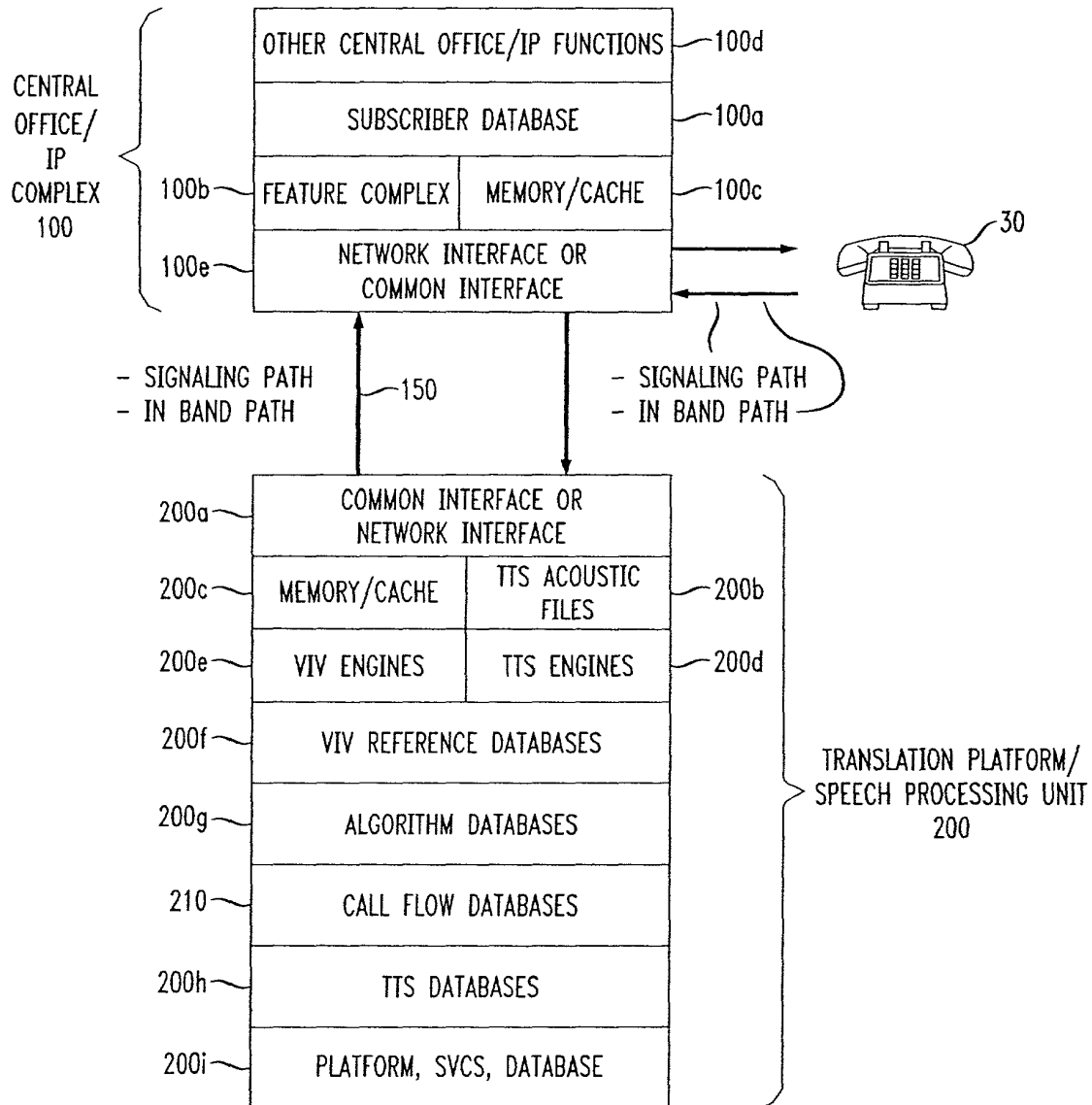


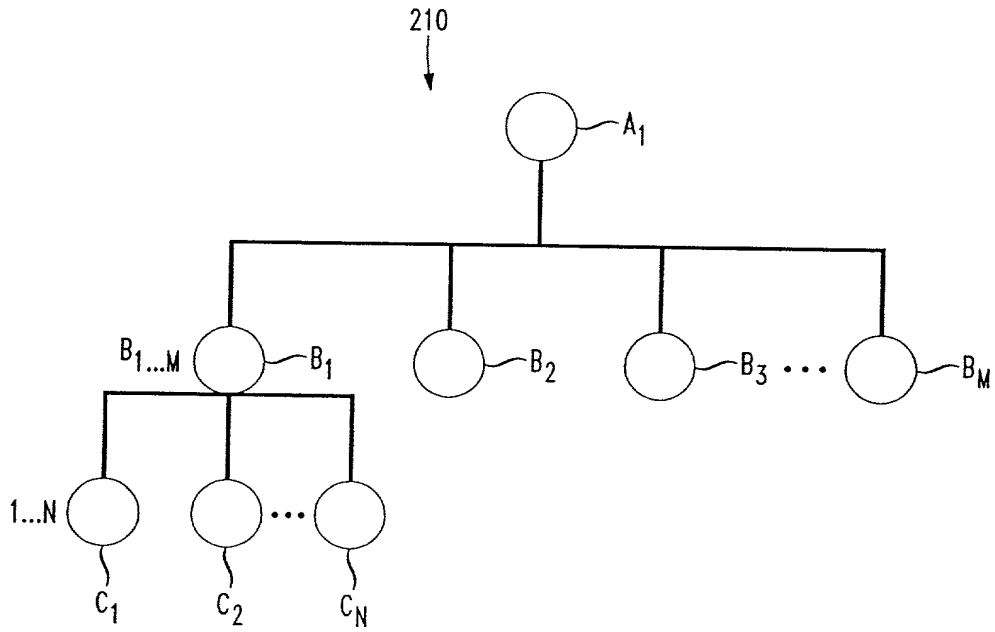
FIG. 3B



VIV = VERBAL INFORMATION VERIFICATION
TTS = TEXT TO SPEECH

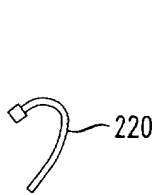
FIG. 4

SYSTEM STATE DATABASE

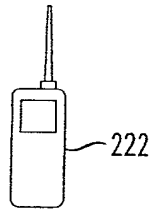


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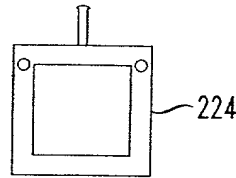
FIG. 5A



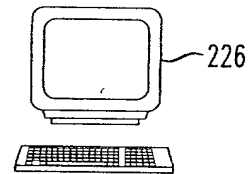
EARBUD AND
FEATURE LIST
- MICROPHONE
- SPEAKER
- ETC.



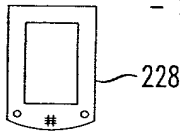
HANDSET AND FEATURE LIST
- KEYPAD (CONFIG.)
- DISPLAY
- SIZE OF DISPLAY
- COLORS AVAILABLE
- MICROPHONE
- SPEAKER
- ETC.
- SCANNER



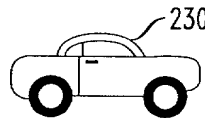
WIRELESS APPLIANCE
AND FEATURE LIST
- DISPLAY
- SIZE OF DISPLAY
- COLORS AVAILABLE
- STYLUS
- SPEAKERS
- MICROPHONE
- ETC.
- MEMORY



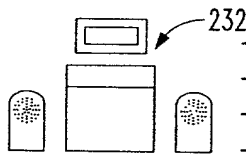
PERSONAL COMPUTER
AND FEATURE LIST
- DISPLAY - SCAN
- SIZE OF DISPLAY
- COLORS AVAIL. - MEMO
- MOUSE
- MICROPHONE
- SPEAKER
- PRINTER
- CAMERA
- KEYBOARD (CONFIG.)



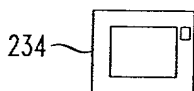
PALM PERSONAL COMPUTER
AND FEATURE LIST
- DISPLAY
- SIZE
- COLORS
- MICROPHONE
- SPEAKERS
- CAMERA
- MEMORY
- ETC.



ETC.
TELEMATICS AND
FEATURE LIST
- DISPLAY
- SPEAKERS
- AIR BAG SENSOR
- ENGINE SENSOR
- VITAL SIGNS SENSOR
- PASSENGER SENSOR
- CAMERA
- KEYPAD
- MEMORY

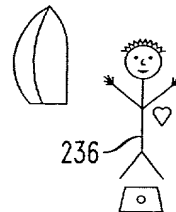


ENTERTAINMENT CENTER
AND FEATURE LIST
- DISPLAY
- SPEAKERS
- MICROPHONE
- CAMERA
- ETC.
- REMOTE CONTROL
- KEYPAD (CONFIG.)



MICROWAVE OVEN, OVEN,
REFRIGERATOR, ETC.
APPLIANCE AND
FEATURE SET
- KEYPAD (CONFIG.)
- SPEAKERS
- DISPLAY
- MICROPHONE
- SCANNER

RESIDENTIAL
GATEWAY



CARDIAC MONITOR
BLOOD PRESSURE MONITOR
BLOOD SUGAR MONITOR
SCALE
- DISPLAY
- KEYPAD
- SPEAKER
- MICROPHONE
- SPECIAL METRICS/
I DEVICE

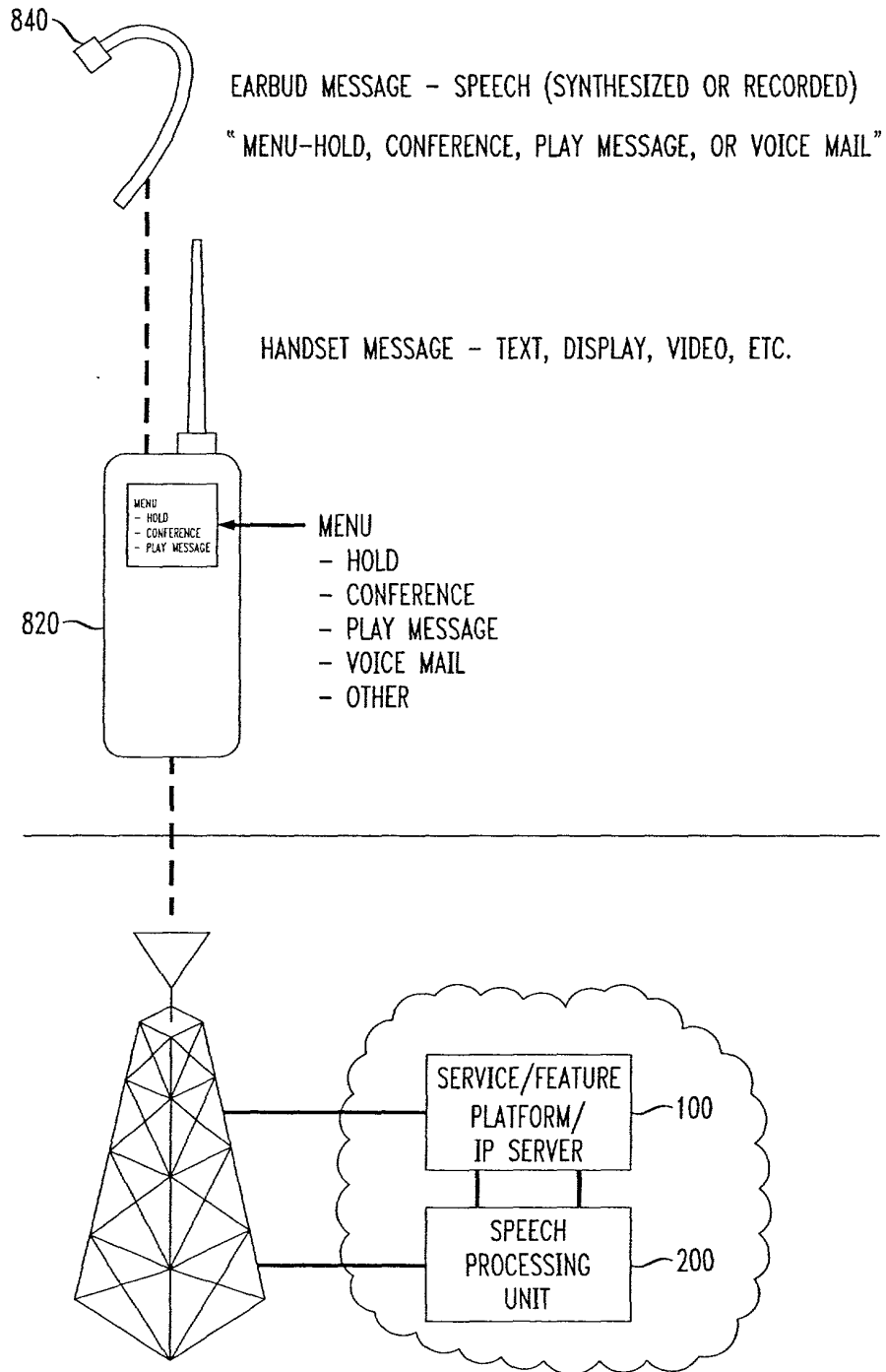
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FORMAT FOR FEATURES

[illegible]

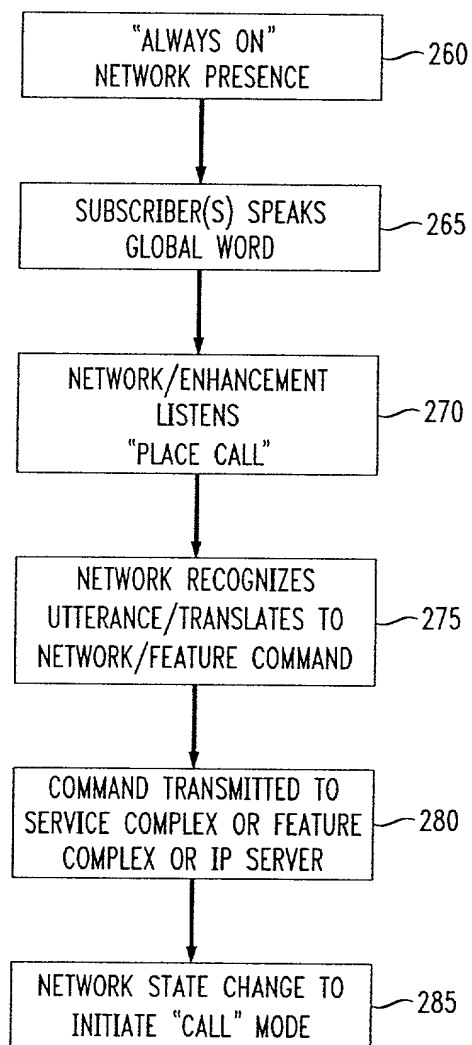
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FIG. 5C



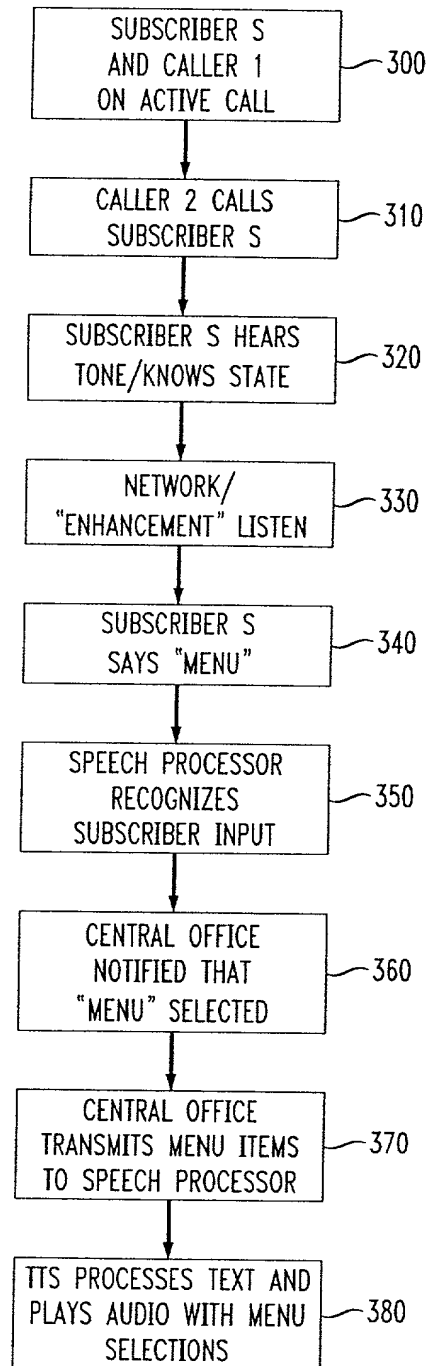
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FIG. 6A



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FIG. 6B



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FIG. 6C

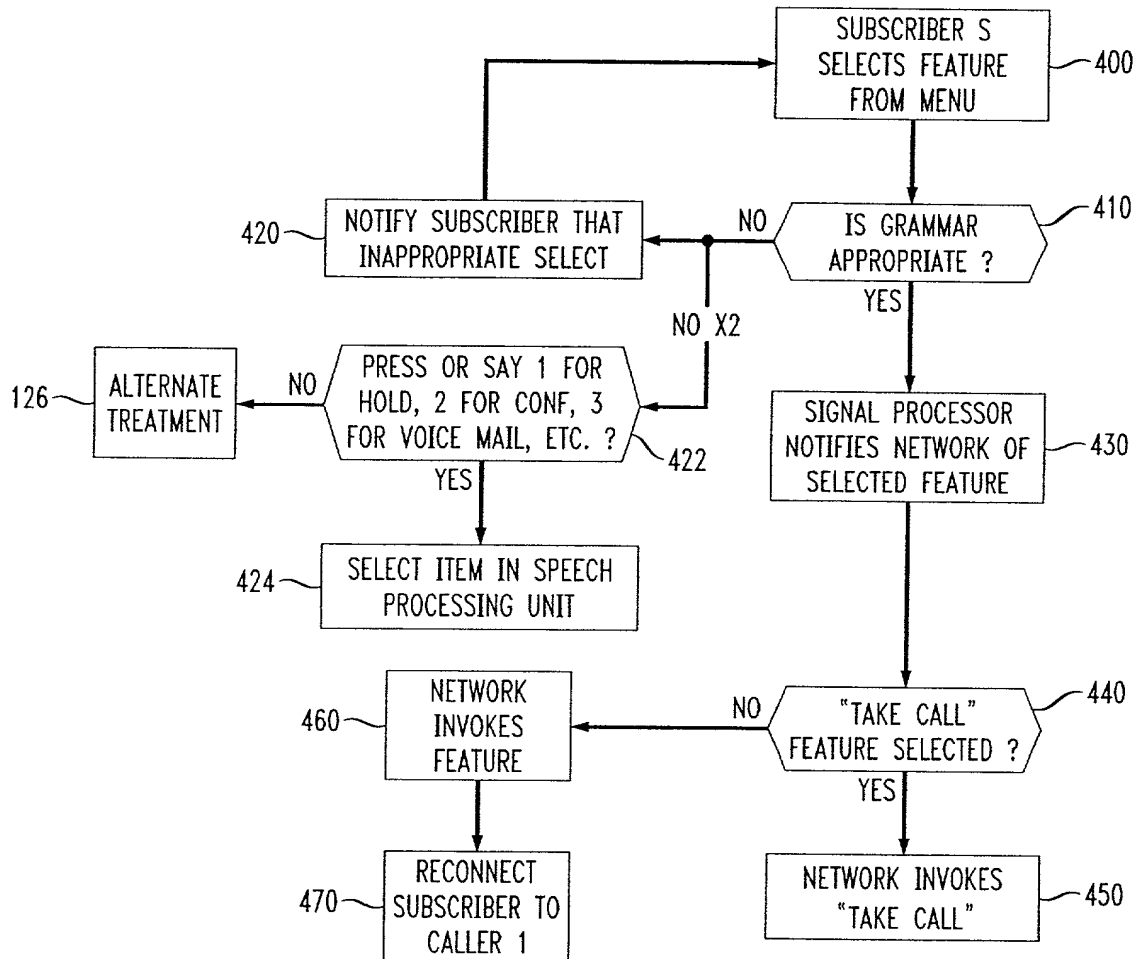


FIG. 7

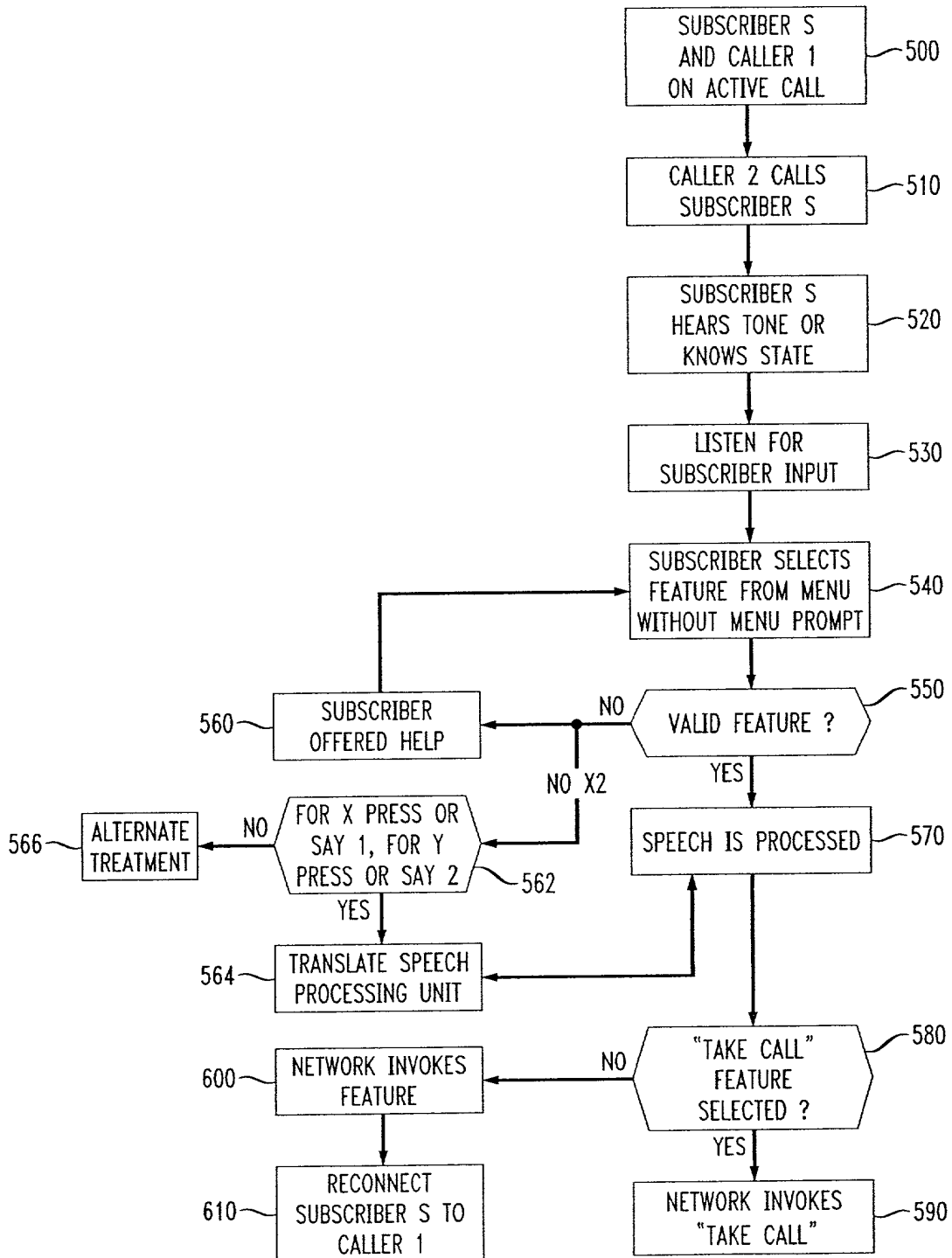


FIG. 8A

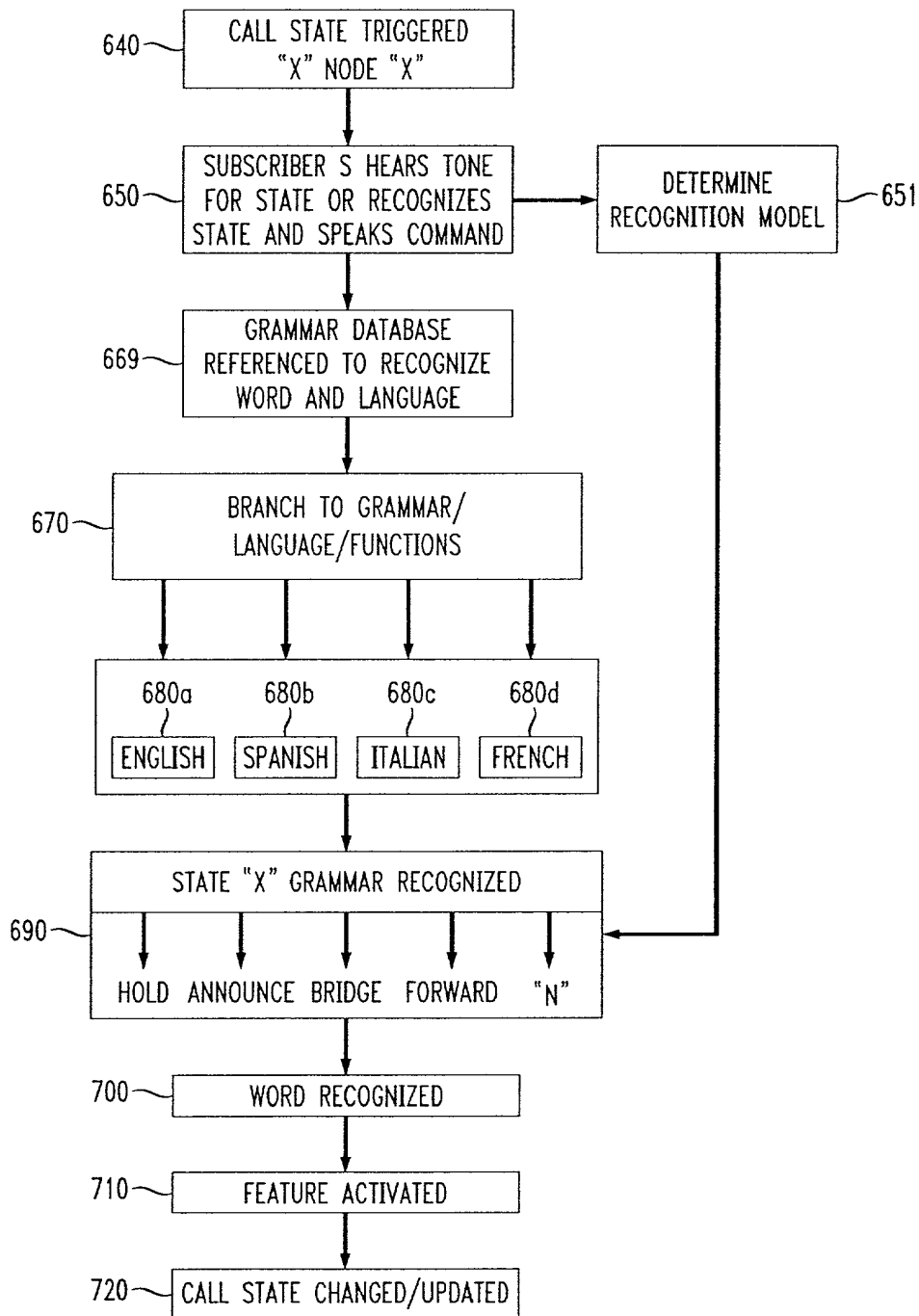


FIG. 8B

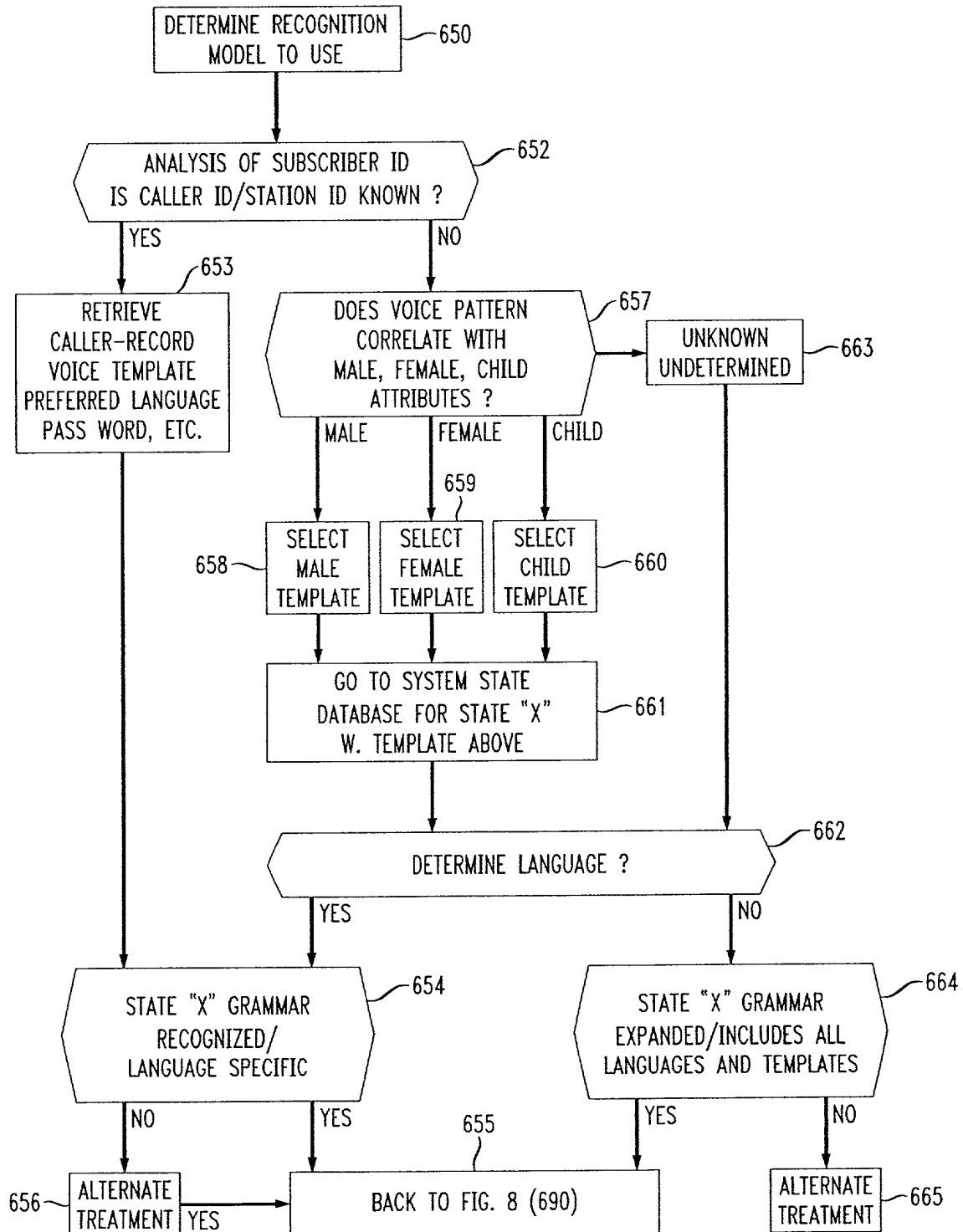


FIG. 8C
CALLER-RECORD DATABASE

666

CALLER ID/ STATION ID	CUST ID	VOICE TEMPLATE	PASSWORD/KEY	PREF. LANGUAGE	SUBSCRIPTION INFORMATION
732-555-1111	0231	FILE 0231	TURTLE	ENGLISH	REMOTE ACCESS
732-555-2222	0232	FILE 0232	MARTIAN	ENGLISH	LOCAL/REGIONAL
732-555-3333	0233	FILE 0233	ORANGE	ENGLISH	REMOTE ACCESS
⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮

FIG. 9

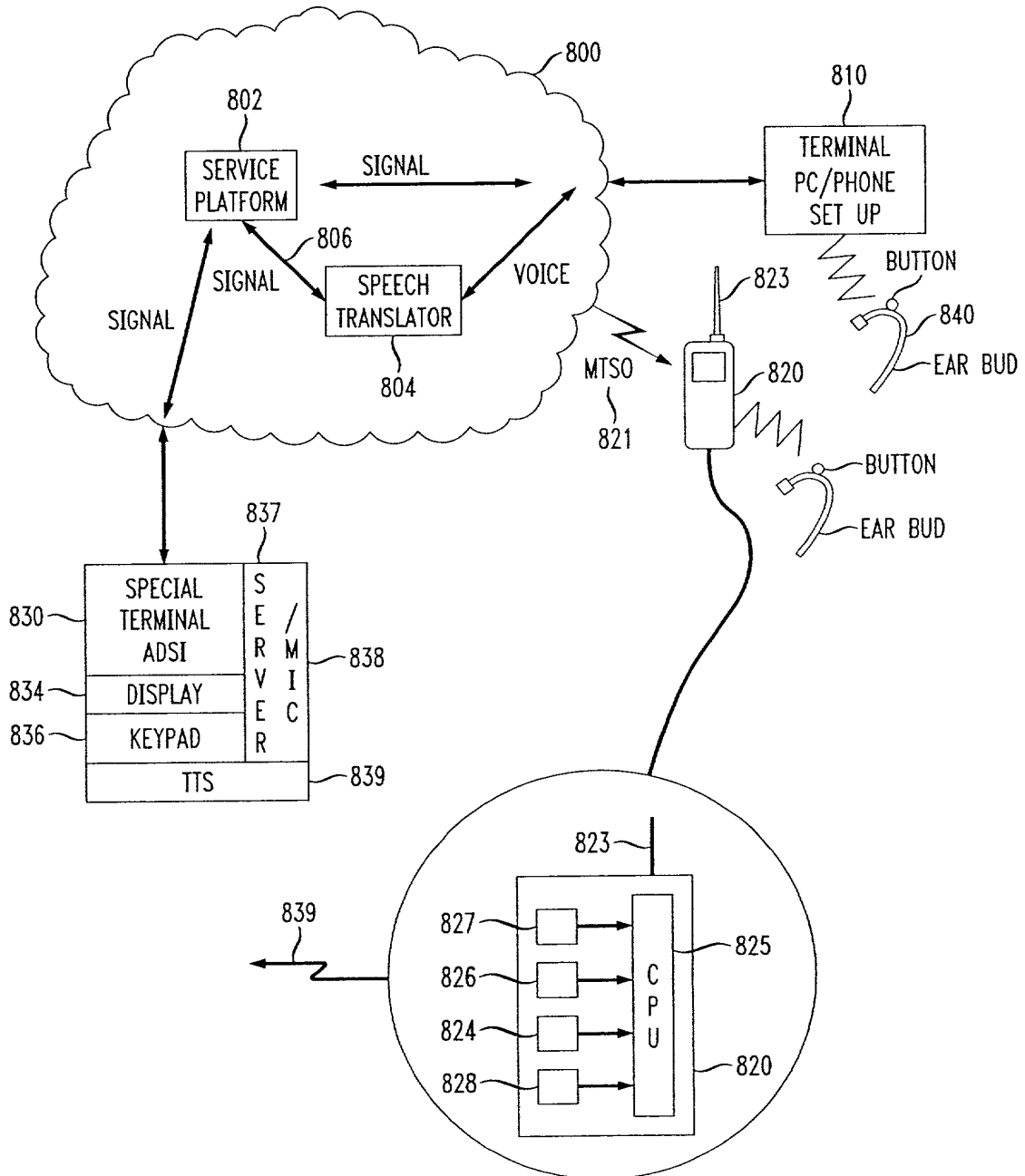


FIG. 10A

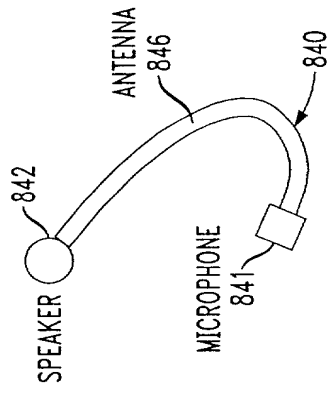
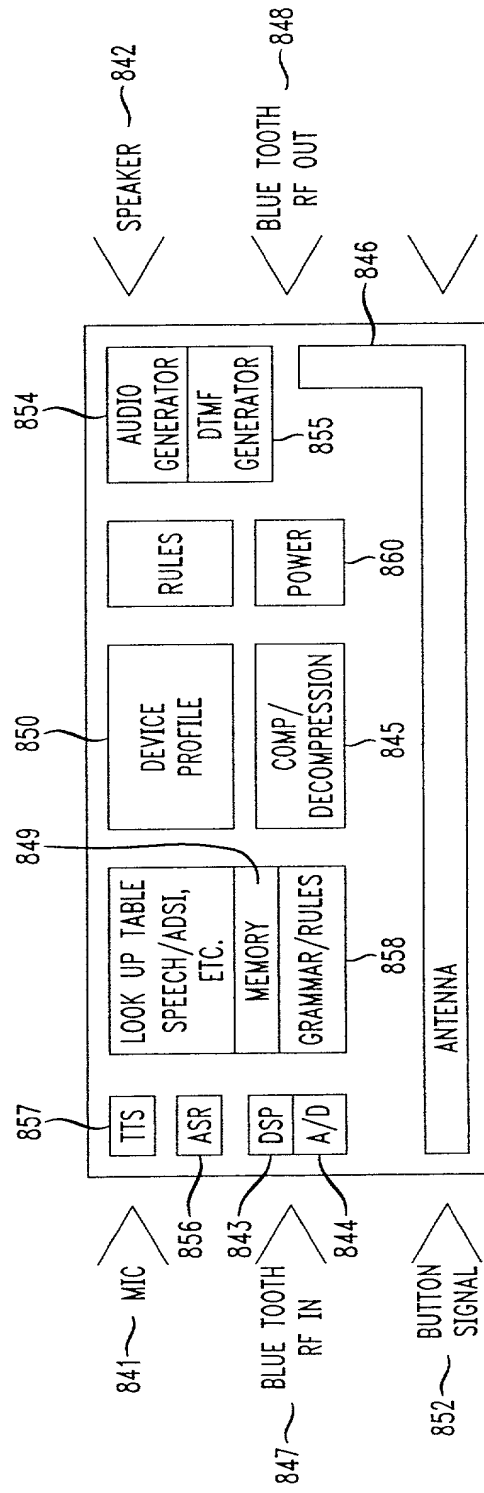


FIG. 10B



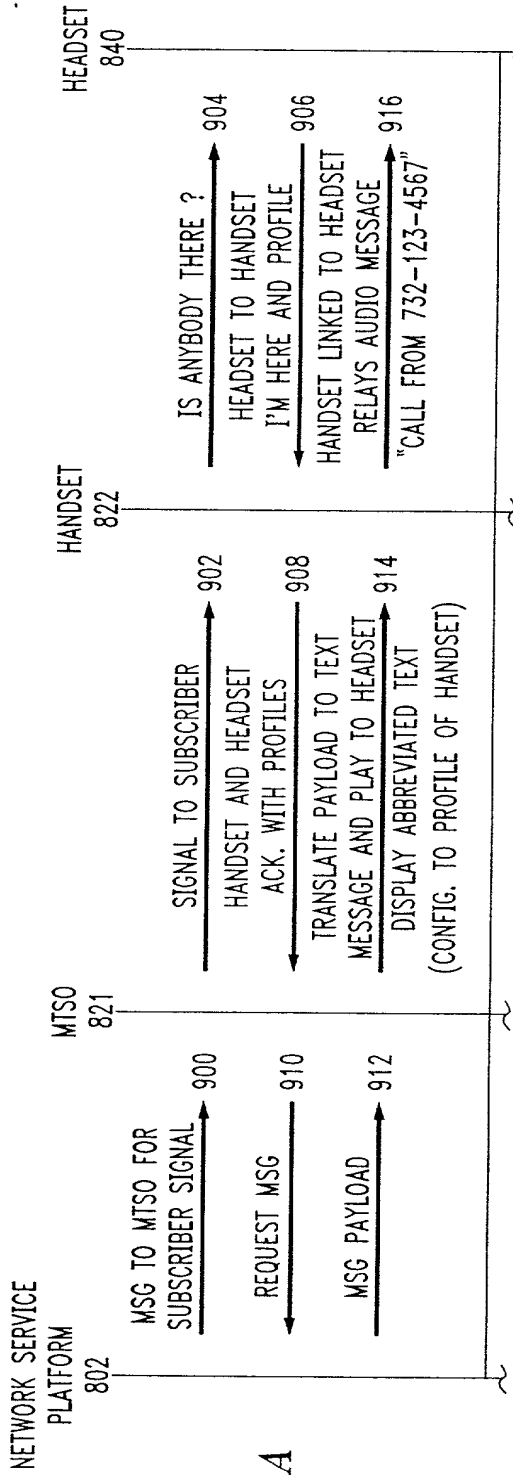


FIG. 11A

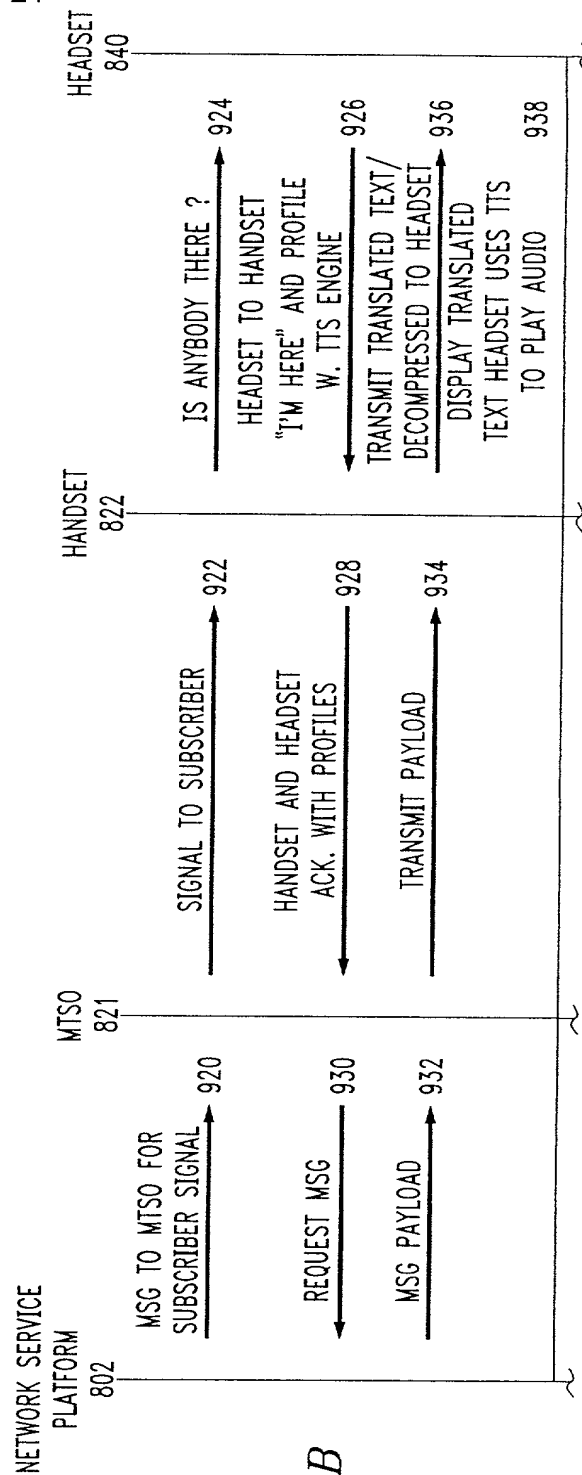


FIG. 11B

FIG. 11C is a sequence diagram illustrating a communication process between a Network Service Platform (802) and a Mobile Terminal Service (MTSO) (821). The diagram shows the flow of messages and data between these entities and a Handset (822) and a Headset (840). The process involves a subscriber signal, a request message, and a message payload, leading to a subscriber response with a profile/TTS engine on board, followed by a translated payload to text and a message/transmit/compressed text.

NETWORK SERVICE
PLATFORM
802

MTSO
821

HANDSET
822

HEADSET
840

MSG TO MTSO FOR
SUBSCRIBER SIGNAL 940

REQUEST MSG 946

MSG PAYLOAD 948

SIGNAL TO SUBSCRIBER
SUBSCRIBER RESPONDS W.
PROFILE/TTS ENGINE ON BOARD 942

TRANSLATE PAYLOAD TO TEXT
MSG/TRANSMIT/COMPRESSED TEXT 944

950

HANDSET USES TTS TO PLAY
DECOMPRESSED MESSAGE 952

FIG. 11C

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NETWORK SERVICE
PLATFORM
802

MTSO
821

HANDSET
822

HEADSET
840

MSG TO MTSO FOR
SUBSCRIBER SIGNAL 960

REQUEST MSG 966

MSG PAYLOAD 968

SIGNAL TO SUBSCRIBER
ACK. W. PROFILES (NO TTS) 962

TRANSMIT TRANSLATED
PAYLOAD AS AUDIO 964

970

FIG. 11D

FIG. 12

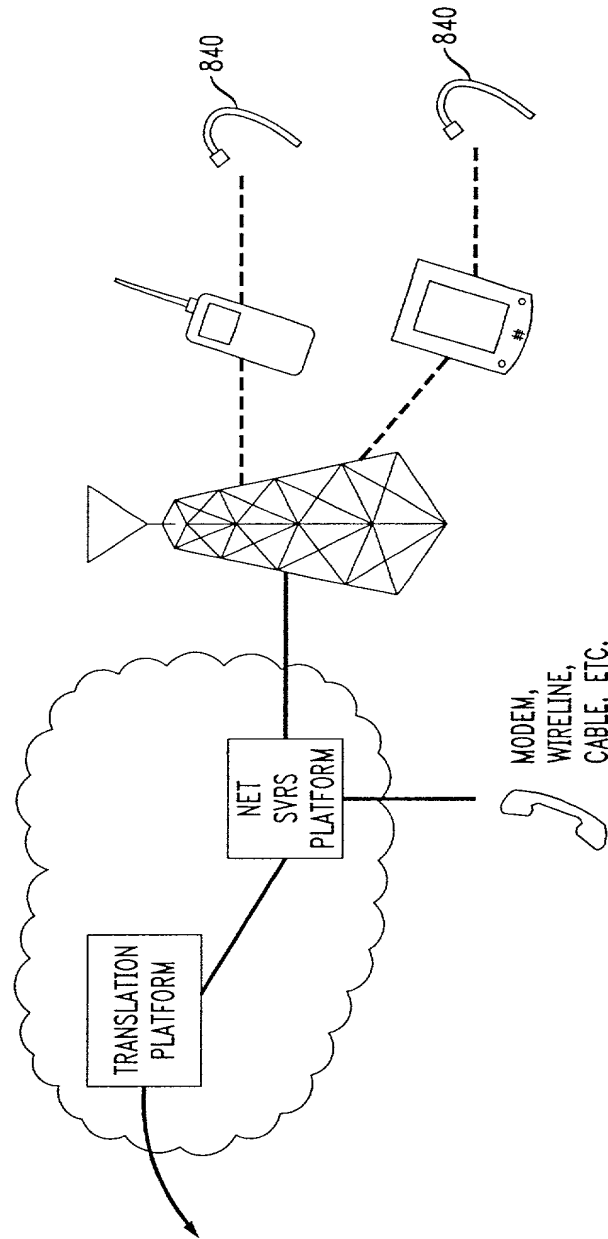


FIG. 13

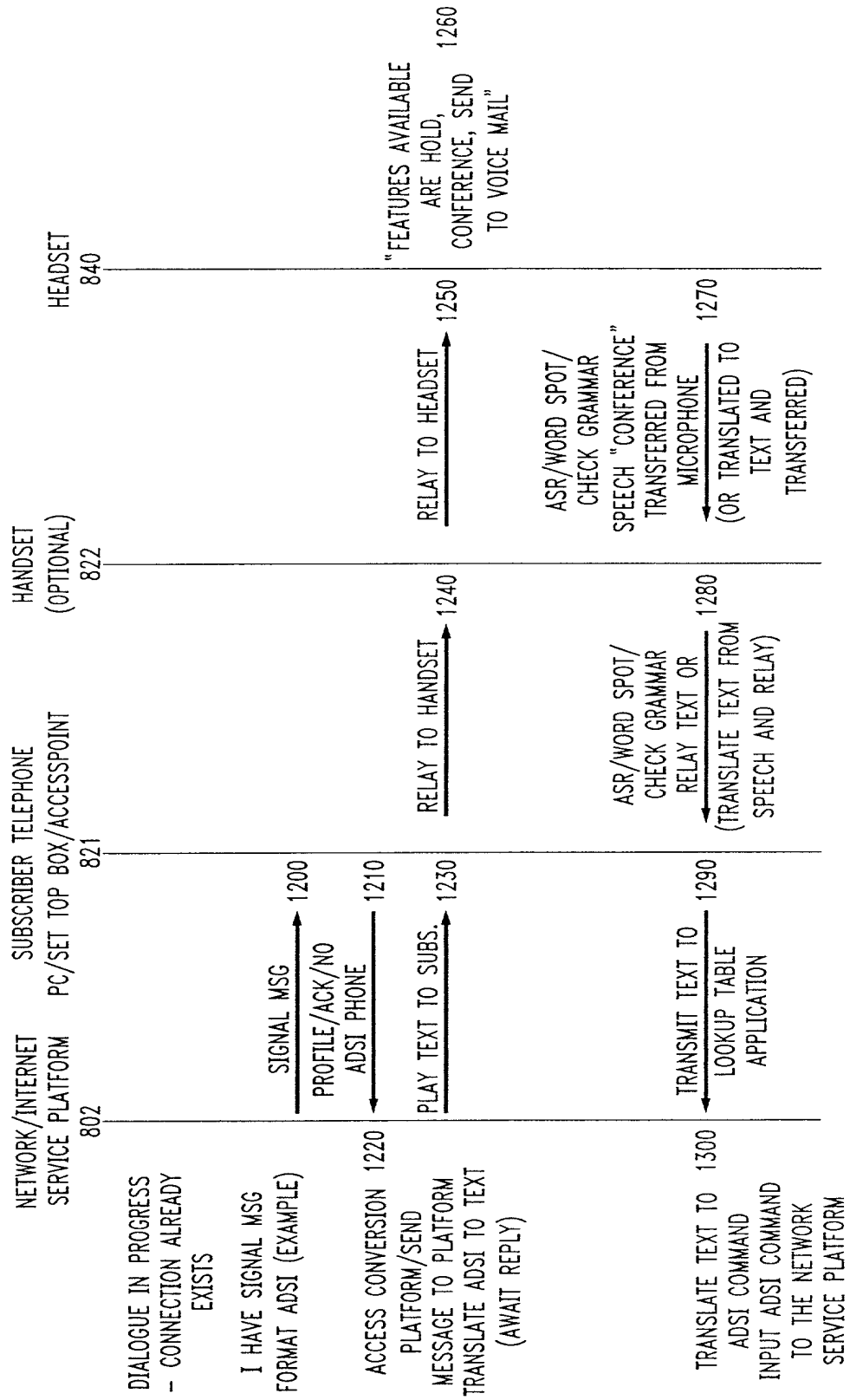


FIG. 14

